

PROGRAMMABLE SELF-OPERATING COMPACT DISK DUPLICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A system for the duplication of binary data onto CD-R disks,
the system including a copy unit, a host computer and computer
software, the software being installed in the host computer to
provide a user interface and to direct the transfer of data from
the host computer to the copy unit, the copy unit including a set
of multiple stacked recordable disk drives, a microprocessor
electronically connected to the activating mechanism of a pivotal
transport tower and to the set of multiple stacked recordable disk
10 drives. A robotic disk pickup head on the pivotal transport tower
is encompassed by a set of disk spindle members arranged in a
symmetric semi-circular pattern around the central tower, the disk
pickup head being connected to the pivotal transport tower with an
elevator mechanism for lifting and transporting compact disks among
15 the disk spindle members and any selected one of the stacked
recordable disk drive members. The microprocessor concurrently
directs the movement of the disk pickup head and the copying of
data to the CD-R disks in the disk drive members. After a disk
copy operation is completed, the computer software and
20 microprocessor may direct the stacked recordable disk drive members
to inspect the burned CD-R disks for copy errors and further direct
the disk pickup head to remove and eject defective burned CD-R
disks and place properly burned CD-R disks on a specified disk
spindle member. The system allows for source data to be read from
25 multiple master compact disks inserted in specified stacked
recordable disk drive members to provide for random access copying

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